

## **AMENDMENTS TO THE SPECIFICATION:**

Please amend the specification as follows:

Page 58, replace the paragraph beginning on line 6 with the following amended paragraph:

Characteristics of the resulting block copolymer A-10 are shown in Table ~~[[5]]~~ 4. The hydrogenation ratio of block copolymer A-10 was 98%, the crystallization peak temperature was 60°C, and the heat quantity of crystallization peak was 16.5 J/g.

Page 59, replace the paragraph beginning on line 3 with the following amended paragraph:

Characteristics of the resulting block copolymer A-11 are shown in Table ~~[[5]]~~ 4. The hydrogenation ratio of block copolymer A-11 was adjusted by the amount of hydrogen so as to give a hydrogenation ratio of about 35%, and was about 35%.

Page 59, replace the paragraph beginning on line 9 with the following amended paragraph:

Block copolymers used in Examples which have at least one polymer block mainly comprising a vinyl aromatic hydrocarbon, at least one polymer block comprising a conjugated diene, and at least one polymer block comprising a conjugated diene and an vinyl aromatic hydrocarbon are shown in Table 5, Table 6 and Table 7. The block copolymers were obtained by adding n-butyllithium as a polymerization initiator in cyclohexane, adding tetramethylethylenediamine as a randomizing agent for adjustment of the content of ~~single-chain~~ short-chain styrene as needed, and conducting polymerization. In the preparation of the block copolymers, monomers diluted with cyclohexane to a concentration of 20% by weight were used.

Page 61, replace the paragraph beginning on line 21 with the following amended paragraph:

Styrene-n-butyl acrylate copolymers B-1, B-2 and D-2 and styrene-methyl methacrylate copolymer D-3 were produced by adding 5 kg of styrene and n-butyl acrylate or methyl methacrylate at a ratio shown in Table 2 and Table 7 to a 10-liter autoclave equipped with a stirrer, concurrently putting 0.3 kg of ethylbenzene and 1 kg of 1,1-bis(t-butylperoxy)cyclohexane for adjusting the MRF, conducting polymerization at 110 to 150°C for 2 to 10 hours, and then, recovering unreacted styrene, n-butyl acrylate, methyl methacrylate and ethyl benzene with a vent extruder. B-1 thus obtained had an MRF of 3.0 g/10 min, B-2 had an MRF of 2.6 g/10 min, D-2 had an MRF of 3.4 g/10 min, and ~~[[D-2]]~~ D-3 had an MRF of 3.1 g/10 min.

Page 67, replace the paragraph beginning on line 3 with the following amended paragraph:

Further, a heat shrinkable multilayer film was immersed in hot water of 80°C for 10 seconds, and the shrinkage ratio thereof at 80°C was calculated according to the following above-shown equation.

Page 69, replace the paragraph beginning on line 19 with the following amended paragraph:

In the measurement of the heat shrinkable film performances, a composition in which the kind and amount of block copolymers: A-1 to A-11, other block copolymers: B-4 (styrene-butadiene-based block copolymer, Tufprene 126 manufactured by Asahi Chemical Industry Co., Ltd.) and B-5 (styrene-butadiene-based hydrogenated block copolymer, Tuftec 1041 manufactured by Asahi Chemical Industry Co., Ltd.), styrene-n-

butyl acrylate copolymers: B-1 and B-2, and general-purpose polystyrene: B-3 (A&M Polystyrene 685 manufactured by A&M Styrene Co. Ltd.) are shown in Table 4 was molded to a sheet form having a thickness of 0.25 mm at 200°C, using a 40-mm extruder, and then, the sheet was uniaxially stretched at a stretching ratio of 5 at a stretching temperature of 100°C (in Comparative Example 5, stretching at 100°C was impossible, so that the sheet was stretched at 110°C) in the transverse direction, using a tenter, thereby obtaining a heat shrinkable film having a thickness of about 60 µm. The film performances of this heat shrinkable film are shown in Table 4. It is seen that the performances of the heat shrinkable films of the invention are excellent in rigidity represented by tensile elastic modulus, low-temperature shrinkability represented by the heat shrinkage ratio at 65°C, natural shrinkability, impact resistance represented by puncture impact strength, fusion bonding in hot water, and transparency represented by haze. The measurements of the sheet and film performances were conducted by the above-mentioned methods.

Page 71, replace the paragraph beginning on line 1 with the following amended paragraph:

Compounded compositions shown in Table 9 were extruded through a T-die to form a three-layer sheet using the compositions as an intermediate layer and surface and back layers, and the sheet was longitudinally stretched 1.2 times to form a sheet having a thickness of 0.25 mm. Then, the sheet was laterally stretched 5 times with a tenter to obtain a heat shrinkable film having a thickness of about 50 µm. The thickness ratio (%) of the intermediate layer and the surface and back layers was 15 (surface layer)/70 (intermediate layer)/15 (back layer). The performances of the resulting three-

layer heat shrinkable films are shown in Table 9. Adekastab LA-32 (manufactured by Asahi Denka Co., Ltd.) was added as an ultraviolet absorber in an amount of 0.2 part by weight per 100 parts by weight of the surface and back layers. Styrene polymers, aliphatic unsaturated carboxylic acid ester-styrene copolymers and rubber-modified styrene polymers are shown in Table 7, and lubricants are shown in Table 8. The measurements of the sheet and film performances were conducted by the above-mentioned methods.

Page 76, replace Table 5 with the following amended Table 5:

Table 5

Block Copolymer		Polymer Structure (*1)	Composition Ratio
C-1	Component (A-a)	S-B//S-S	35-10/10/7-38
	Component (A-b)	S-B//S-S	35-10/10/7-38
C-2	Component (A-a)	S-B//S-S	30-15/8/6-41
	Component (A-b)	S-B//S-S	30-15/8/6-41
C-3	Component (A-a)	B/S-S-B//S-S	8/5-25-1/6/8-47
	Component (A-b)	S-B//S-S	8/5-25-1/6/8-47
C-4	Component (A-a)	S-B//S-S	58-13/8/3-18
	Component (A-b)	S-B//S-S	31-21/14/5-29
C-5	Component (A-a)	(S-B//S)4-X	70-11/9/10
	Component (A-b)	(S-B//S)4-X	70-11/9/10
C-6	Component (A-a)	S-B-S	25-45-30
	Component (A-b)	S-B-S	25-45-30
C-7	Component (A-a)	S-B//S-S	45-1/1/3-50
	Component (A-b)	S-B//S-S	45-1/1/3-50
C-8	Component (A-a)	S-B//S-S	30-12/6/30-22
	Component (A-b)	S-B//S-S	30-12/6/30-22
C-9	Component (A)	<u>[[S-B//S]]S-B//S</u>	41-12/6-41
D-1	Component (A)	S-B//S-S	25-20/5/14-36

\*1: B//I represents a copolymer moiety of butadiene and isoprene, B//I/S represents a copolymer

moiety of butadiene, isoprene and styrene, S represents a styrene moiety, and X represents a residue of silicon tetrachloride. 2-[1-(2-Hydroxy-3,5-di-t-pentylphenyl)ethyl]-4,6-di-t-pentylphenyl acrylate was added as a stabilizer to all block copolymers in an amount of 0.3 part by weight per 100 parts by weight of the block copolymer.

Page 77, replace Table 6 with the following amended Table 6:

Table 6

		C-1	C-2	C-3	C-4	C-5	C-6	C-7	C-8	C-9
Styrene Content (% by weight)		83	77	85	72	80	55	98	82	82
Butadiene Content (% by weight)		10	15	9	17	11	45	1	12	12
Isoprene Content (% by weight)		7	8	6	11	9	0	1	6	6
Block Styrene Content (parts by weight)		73	71	72	68	70	55	95	52	82
Single-Chain Short-Chain Styrene Content (% by weight)		10	4	12	3	9	0	2	31	0
Tanδ Peak Temperature (°C)		118	119	110	109	120	123	127	86	129
Peak Molecular Weight of Block Co-polymer	Component (A-a)	160000	140000	190000	170000	140000	93000	142000	160000	-
	Component (A-b)	70000	90000	65000	46000	70000	30000	68000	52000	130000
Component (A-a)/Component (A-b) Weight Ratio		50/50	40/60	40/60	45/55	60/40	80/20	60/40	45/55	-

Page 78, replace Table 7 with the following amended Table 7:

Table 7

	D-1	D-2	D-3	D-4	D-5
Styrene Content (% by weight)	75	82	90	HIPS	GPPS
Butadiene Content (% by weight)	20	-	-		
Isoprene Content (% by weight)	5	-	-		
Block Styrene Content (parts by weight)	61	-	-		
Single-Chain Short Chain Styrene Content (% by weight)	7	-	-		
Methyl Methacrylate Content (% by weight)	-	-	10		
n-Butyl Acrylate Content (% by weight)	-	18	-	S-B//S-S	
Structure of Block Copolymer *1					

HIPS: A&M Polystyrene 475D (manufactured by A&M Styrene Co. Ltd.)

GPPS: A&M Polystyrene 685 (manufactured by A&M Styrene Co. Ltd.)

The number average molecular weight of block copolymer D-1 is 93000, and the single-chain short-chain styrene content is 16% by weight.